



Form 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Docket Number: 1023-228US01		Application Number: 10/696,491	
		Applicant: Jeffrey M. Sieracki; Richard B. North			
		Filing Date: October 29, 2003		Group Art Unit: 3736	
		Examiner Name: Unknown			
U.S. PATENT DOCUMENTS					
Examiner Initial	Document Number	Issue/Document Publication Date	Name	Filing Date if Appropriate	
PV	5,938,690	08/17/99	Law et al.	607/46	
	6,272,366	08/07/01	Vining	600/407	
	6,308,102	10/23/01	Sieracki et al.	607/59	
	6,383,135	05/07/02	Chikovani et al.	600/300	
	2002/0065589	04/03/03	Giacchetti	701/22	
PV	2003/0146942	08/07/03	Helgason et al.	345/771	
FOREIGN PATENT DOCUMENTS					
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OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)					
PV	Fowler, K.R., "Neurological Stimulation System", Proceedings AAMI 21st Annual Meeting, Apr. 12-16, p. 27, 1986.				
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	North, R.B., Nigrin, D.J., Szymanski, R.E., Fowler, K.R., "Computer-controlled, multichannel, implanted neurological stimulation system: Clinical assessment," Pain (Suppl.), 5:S83, 1990.				
	Fowler, K.R., North, R.B., "Computer-optimized neurological stimulation," Proc. Ann. Internat. Conf. IEEE Engineering Medicine and Biology Soc., 13:1692-1693, 1991.				
	Fowler, K.R., North, R.B., "Computer-optimized neurostimulation," APL Technical Digest, 12:192-197, 1991.				
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	North, R.B., "Spinal Cord Stimulation for Chronic Intractable Pain," Electrical and Magnetic Stimulation of the Brain and Spinal Cord, pp. 289-301, 1993.				
	North, R.B., "The Role of Spinal Cord Stimulation in Contemporary Pain Management," APS Journal, vol. 2, No. 2, pp. 91-99, 1993.				
	North, R. B., Kidd, D. H., Zahurak, M., James, C. S., Long, D. M., "Spinal cord stimulation for chronic, intractable pain: Experience over two decades," Neurosurgery, 32:384-395, 1993.				
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	North, R.B., et al., "Spinal Cord Stimulation For Chronic Pain," Functional Neurosurgery, vol. 6, No. 1, pp. 145-155, Jan. 1995.				
	North, R.B., Cutchis, P., "Spinal cord stimulation for chronic intractable pain," Spinal Cord Stimulation II, pp. 49-63, Darmstadt, Steinkopff, 1995.				
	North, R.B., McNamee, P., Wu, L., Piantadosi, S., "Artificial neural networks: Application to electrical stimulation of the human nervous system," (abstract) Stereotactic and Functional Neurosurgery, 65:161, 1995.				
	North, R. B., Kidd, D. H., Wimberly, R. L., Edwin, D., "Prognostic value of psychological testing in spinal cord stimulation patients: A prospective study," Neurosurgery, 39:301-311, 1996.				
	North, R. B., Kidd, D. H., Zahurak, M., Piantadosi, S., "Specificity of diagnostic nerve blocks: A prospective, randomized study of sciatica due to lumbosacral spine disease," Pain, 65:77-85, 1996.				
	North, R.B., McNamee, P., Wu, L., Piantadosi, S., "Artificial neural networks: Application to electrical stimulation of the human nervous system," Neurosurgical Focus, 2(1:1):1-5, 1997.				
PV	Alo, K. M. et al., "Computer Assisted and Patient Interactive Programming of Dual Octrode Spinal Cord Stimulation in the Treatment of Chronic Pain," Neuromodulation, vol. 1, No. 1, pp. 30-45, 1998.				
EXAMINER 12x P. Nguyen			Date Considered P2/12/06		
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PV	North, R.B., Sieracki, J.N., Fowler, K.R., Alvarez, B., Cutchis, P.N., "Patient-interactive, microprocessor-controlled neurological stimulation system," Neuromodulation, 1(4):185-193, 1998.				
	Khalessi, A. A., Taylor, R. S., Brigham, D. D., North, R. B., "Automated, patient-interactive spinal cord stimulator adjustment: A cost-minimization analysis," Neurosurgery, 53:501-502, 2003.				
	North, R. B., Calkins, S. K., Campbell, D. S., Sieracki, J. M., Piantadosi, S. A., Daly, M. J., Dey, P. B., Barolat, G., "Automated, patient-interactive spinal cord stimulator adjustment: A randomized, controlled trial," Neurosurgery 52:572-580, 2003.				
	U.S. Patent Application Serial Number 10/696,501, entitled "Implantable Neurostimulator Programming with Battery Longevity Indication", filed October 29, 2003, Richard B. North, Kim R. Fowler, Jeffrey M. Sieracki, David D. Brigham.				
	U.S. Patent Application Serial Number 10/696,781, entitled "Neurostimulation Therapy Manipulation", filed October 29, 2003, Richard B. North, Jeffrey M. Sieracki.				
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PN	5,778,882	07/14/1998	Raymond et al.	600/513
PN	6,132,218	10/17/2000	Benja-Athon	600/480

FOREIGN PATENT DOCUMENTS

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				Yes	No
	WO 01/93952	12/13/2001	PCT		

OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)

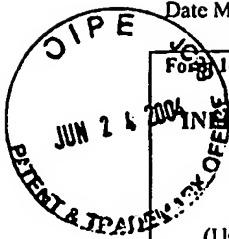
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P. Ngiza

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